

PROJECT DESCRIPTION

THIS PROJECT WILL INVOLVE THE INSTALLATION OF A TEMPORARY TRAFFIC SIGNAL FOR ONE WAY OPERATION DURING THE REHABILITATION OF THE FRIENDS CREEK BRIDGE.

OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX PHASE TRAFFIC-ACTUATED MODE. THE INTERSECTION SHALL OPERATE SEQUENTIALLY TO ALLOW ONE WAY TRAFFIC THROUGH THE WORK ZONE. ALL RED CLEARANCE PHASES SHALL BE PROVIDED TO CLEAR THE ONE WAY OPERATION.

PROJECT CONTACTS DISTRICT 7

MR. JOHN CONCANNON
ASST. DIST. ENGR. TRAFFIC
301-624-8140

MR. DAVE COYNE
ASST. DIST. ENGR. MAINTENANCE
301-624-8105

MR. JIM BUCKALEW
UTILITIES ENGR.
301-624-8115

MR. MARK FLACK
ASST. DIST. ENGR. CONSTRUCTION
301-624-8200

CONTACTS FOR THE OFFICE OF TRAFFIC

MR. RICHARD DAFF
CHIEF TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAMLEADER SIGNAL OPERATION
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7676

MS. DARLENE EIDE
SUPPLY OFFICER SIGNAL WAREHOUSE
410-787-7666

EQUIPMENT LIST A

A. EQUIPMENT TO BE SUPPLIED BY SHA

Code	Description	Unit	Spec
900000	NEMA SIZE 5 POLE MOUNTED CABINET AND CONTROLLER	1 EA	
900000	VIDEO DETECTION INTERFACE EQUIPMENT: 1 - 4 CAMERAS	1 EA	

EQUIPMENT LIST B

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

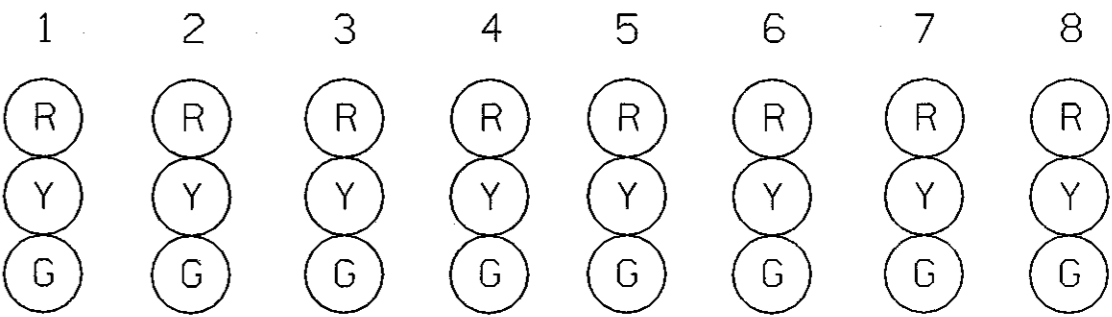
Code	Description	Unit	Spec
114245	24 INCH WHITE REMOVABLE PREFORMED PAVEMENT LINE MARKINGS	44 LF	
800000	40' CLASS 2 WOOD POLE	5 EA	
800000	50' CLASS 2 WOOD POLE	3 EA	
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT (PER ASSIGNMENT)	2 EA	
800000	CONTROL CABLE 600 FT. VIDEO DETECTION CAMERA TO CONTROLLER	1 EA	816
807400	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS	1 EA	807
816001	VIDEO DETECTION CAMERA	4 EA	816
816005	CONTROL CABLE 250 FT. VIDEO DETECTION CAMERA TO CONTROLLER	1 EA	816
816010	CONTROL CABLE 500 FT. VIDEO DETECTION CAMERA TO CONTROLLER	4 EA	816
831010	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE	2 EA	806
837001	GROUND ROD -3/4INCH DIAMETER X 10 FOOT LENGTH	1 EA	804
860272	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	24 EA	814
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	2200 LF	810
861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	1120 LF	810
866103	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	3 EA	818
869102	STEEL SPAN WIRE -3/8INCH DIAMETER	850 LF	819
871201	INSTALL CONTROLLER AND CABINET - POLE MOUNT	1 EA	816

EQUIPMENT LIST C


C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE STATE HIGHWAY ADMINISTRATION,
7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076

VIDEO DETECTION CAMERA
NEMA SIZE 5 POLE MOUNTED CABINET AND CONTROLLER

PHASE SEQUENCE CHART



PHASE 1 (ALL RED CLEARANCE)	R	R	R	R	R	R	R	R	↓ T
PHASE 2	G	G	R	R	R	R	R	R	↓ → T
PHASE 2 CHANGE	Y	Y	R	R	R	R	R	R	↓ T
PHASE 3 (ALL RED CLEARANCE)	R	R	R	R	R	R	R	R	↓ T
PHASE 4	R	R	R	R	G	G	R	R	↓ ↓ T
PHASE 4 CHANGE	R	R	R	R	Y	Y	R	R	↓ ↓ T
PHASE 5 (ALL RED CLEARANCE)	R	R	R	R	R	R	R	R	↓ T
PHASE 6	R	R	G	G	R	R	R	R	↓ ← T
PHASE 6 CHANGE	R	R	Y	Y	R	R	R	R	↓ ← T
PHASE 7 (ALL RED CLEARANCE)	R	R	R	R	R	R	R	R	↓ T
PHASE 8	R	R	R	R	R	R	G	G	↓ ↑ T
PHASE 8 CHANGE	R	R	R	R	R	R	Y	Y	↓ ↑ T
Flashing Operation	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	↑ ↓ + -

REVISIONS		<div> MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety</div>			
		TRAFFIC ENGINEERING DESIGN DIVISION			
		REPLACEMENT OF BRIDGE NO.10060 ON MD 550 OVER BRANCH OF FRIENDS CREEK			
		DRAWN BY: D.J.R.		F.A.P. NO. SEE TITLE SHEET	
		CHECKED BY: A.K.B.		S.H.A. NO. FR3415180	
		SCALE: 1"=20'		COUNTY: FREDERICK	
		DATE: Dec 2003		LOG MILE: 10055021.22	
				TS NO. 4290	
				T.I.M.S. NO. F900	
				SHEET NO. 11 OF 55	